

ST.ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LESSON PLAN

NAME OF THE SUBJECT: **Python Programming**
 YEAR-SEM, : **II B.TECH- I SEM**
 NAME OF THE FACULTY: **CH.RAJU**

ACADAMIC YEAR: 2018-19
BRANCH & SECTION: CSE - C
NO. OF LECTURES PER WEEK : 5+1* (TUTORIAL)

| S.no | Date | UNIT | Topic | |
|------|-----------|--------------------|---|---|
| 1 | 11-Jun-18 | I | Introduction:History of Python | |
| 2 | 12-Jun-18 | | Need of Python Programming, Applications | |
| 3 | 13-Jun-18 | | Basics of Python Programming Using the REPL(Shell) | |
| 4 | 14-Jun-18 | | Running Python Scripts | |
| 5 | 18-Jun-18 | | Variables | |
| 6 | 19-Jun-18 | | Assignment, Keywords | |
| 7 | 20-Jun-18 | | Tutorial | |
| 8 | 21-Jun-18 | | Input-Output Operations | |
| 9 | 22-Jun-18 | | Indentation. | |
| 10 | 23-Jun-18 | | Revision of Unit 1 | |
| 11 | 25-Jun-18 | | Unit Test-1 | |
| 12 | 26-Jun-18 | | Unit-1 objective test, Introduction to unit-2 | |
| 13 | 27-Jun-18 | | Tutorial | |
| 14 | 28-Jun-18 | II | Types - Integers, Strings, Booleans; | |
| 15 | 29-Jun-18 | | Operators- Arithmetic , Comparison (Relational), Assignment, Logical, Bitwise | |
| 16 | 30-Jun-18 | | Membership Operators, Identity Operators | |
| 17 | 2-Jul-18 | | Expressions and order of evaluations | |
| 18 | 3-Jul-18 | | Control Flow- if, if-elif-else, for, while, | |
| 19 | 4-Jul-18 | | Tutorial | |
| 20 | 5-Jul-18 | | break, continue, pass | |
| 21 | 6-Jul-18 | | Revision of Unit 2 | |
| 22 | 7-Jul-18 | | Unit Test-2 | |
| 23 | 9-Jul-18 | | unit-2 objective test , introduction to unit-3 | |
| 24 | 10-Jul-18 | | List data structure | |
| 25 | 11-Jul-18 | | Tutorial | |
| 26 | 12-Jul-18 | | III | Operations |
| 27 | 13-Jul-18 | Slicing | | |
| 28 | 14-Jul-18 | Methods | | |
| 29 | 16-Jul-18 | Tuples | | |
| 30 | 17-Jul-18 | Sets, Dictionaries | | |
| 31 | 18-Jul-18 | Tutorial | | |
| 32 | 19-Jul-18 | Sequences | | |
| 33 | 20-Jul-18 | Comprehensions | | |
| 34 | 21-Jul-18 | Revision of Unit 3 | | |
| 35 | 23-Jul-18 | IV | | Introduction to unit-4, Functions - Defining Functions, Calling Functions |
| 36 | 24-Jul-18 | | | Passing Arguments, Keyword Arguments, |
| 37 | 25-Jul-18 | | | Tutorial |
| 38 | 26-Jul-18 | | | Default Arguments, Variable-length arguments |
| 39 | 27-Jul-18 | | Anonymous Functions, Fruitful Functions(Function Returning Values), | |
| 40 | 28-Jul-18 | | Scope of the Variables in a Function - Global and Local Variables | |
| 41 | 30-Jul-18 | | Modules: Creating modules | |
| 42 | 31-Jul-18 | | import statement, | |
| 43 | 1-Aug-18 | | Tutorial | |
| 44 | 2-Aug-18 | | Revision of unit-1 | |
| 45 | 3-Aug-18 | | | Revision of Unit-2 |
| 46 | 4-Aug-18 | | | Revision of Unit-3 |
| 47 | 6-Aug-18 | | Mid-1 | Mid-1 |
| 48 | 7-Aug-18 | Mid-1 | | |
| 49 | 8-Aug-18 | Mid-1 | | |
| 50 | 9-Aug-18 | Mid-1 | | |
| 51 | 10-Aug-18 | Mid-1 | | |
| 52 | 11-Aug-18 | Mid-1 | | |
| 53 | 13-Aug-18 | IV | from. Import statement | |
| 54 | 14-Aug-18 | | name spacing | |
| 55 | 16-Aug-18 | | Revision of unit-4 | |

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| 56 | 17-Aug-18 | | unit-4 slip test |
| 57 | 18-Aug-18 | | unit-4 objective test and introduction to unit-5 |
| 58 | 20-Aug-18 | | Python packages, Introduction to PIP |
| 59 | 21-Aug-18 | | Installing Packages via PIP, Using Python Packages |
| 60 | 23-Aug-18 | | Object Oriented Programming OOP in Python: Classes |
| 61 | 24-Aug-18 | | self variable, Methods, Constructor Method |
| 62 | 25-Aug-18 | | Inheritance |
| 63 | 27-Aug-18 | | Overriding Methods, Datahiding |
| 64 | 28-Aug-18 | V | Error and Exceptions: Difference between an error and Exception, Handling Exception |
| 65 | 29-Aug-18 | | Tutorial |
| 66 | 30-Aug-18 | | try except block |
| 67 | 31-Aug-18 | | Raising Exceptions |
| 68 | 4-Sep-18 | | User Defined Exceptions |
| 69 | 5-Sep-18 | | Tutorial |
| 70 | 6-Sep-18 | | Revision of Unit 5 |
| 71 | 7-Sep-18 | | Unit test -5 |
| 72 | 8-Sep-18 | | Unit-5 objective test, Introduction to Unit-6 |
| 73 | 10-Sep-18 | | Brief Tour of the Standard Library - Operating System Interface |
| 74 | 11-Sep-18 | | String Pattern Matching |
| 75 | 12-Sep-18 | | Tutorial |
| 76 | 15-Sep-18 | | Mathematics, Internet Access, Dates and Times, Data Compression, |
| 77 | 17-Sep-18 | VI | Multithreading |
| 78 | 18-Sep-18 | | GUI Programming |
| 79 | 19-Sep-18 | | Tutorial |
| 80 | 20-Sep-18 | | Turtle Graphics |
| 81 | 22-Sep-18 | | Testing: Why testing is required ?, Basic concepts of testing |
| 82 | 24-Sep-18 | | Unit testing in Python |
| 83 | 25-Sep-18 | | Writing Test cases, Running Tests |
| 84 | 26-Sep-18 | | Tutorial |
| 85 | 27-Sep-18 | | Revision of Unit-6 |
| 86 | 28-Sep-18 | | Revision of unit-4 |
| 87 | 29-Sep-18 | | Revision of unit-5 |
| 88 | 1-Oct-18 | | Revision of unit-6 |
| 89 | 3-Oct-18 | | Tutorial |
| 90 | 4-Oct-18 | | Revision |
| 91 | 5-Oct-18 | | Revision |
| 92 | 6-Oct-18 | | Revision |
| 93 | 8-Oct-18 | | Mid-2 |
| 94 | 9-Oct-18 | | Mid-2 |
| 95 | 10-Oct-18 | Mid-2 | Mid-2 |
| 96 | 11-Oct-18 | | Mid-2 |
| 97 | 12-Oct-18 | | Mid-2 |
| 98 | 13-Oct-18 | | Mid-2 |

TEXT BOOKS

1. Python Programming: A Modern Approach, Vamsi Kurama, Pearson
2. Learning Python, Mark Lutz, Orielly

Reference Books:

1. Think Python, Allen Downey, Green Tea Press
2. Core Python Programming, W.Chun, Pearson.
3. Introduction to Python, Kenneth A. Lambert, Cengage

Signature of the Faculty

Signature of the HOD